

**28 July 1995**



**Weather**

**HIGH FREQUENCY REGIONAL BROADCAST  
SYSTEM OPERATIONS**

**COMPLIANCE WITH THIS PUBLICATION IS MANDATORY**

---

**NOTICE:** This publication is available digitally on the HQ PACAF WWW site at: <http://www.hqpacaf.af.mil/publications>. If you lack access, contact your Publishing Distribution Office (PDO).

---

OPR: HQ PACAF/DOWX (MSgt Steven M.  
Broderick)

Certified by: HQ PACAF/DOW (Col Clifford R.  
Matsumoto)

Supersedes PACAFR 105-5, 3 May 1993

Pages: 2

Distribution: F;X

---

This instruction implements AFRD 15-1, Atmospheric and Space Environmental Support. It describes responsibilities and procedures for obtaining High Frequency Regional Broadcast System (HFRBS) Support available from the site on Guam. It is directive upon all units and agencies within and supporting PACAF. This publication does apply to Air National Guard (ANG) and US Air Force Reserve (USAFR) units.

**1. Introduction.** The High Frequency Regional Broadcast System is a HQ USAF-directed program to provide weather data to units deployed beyond fixed communications. It may operate 24-hours-a-day, year-round. The HFRBS is an independent sideband system; each transmitter sends teletype (TTY) and facsimile (FAX) data on independent sidebands of the same frequency.

**2. Concept of Operations:**

2.1. The graphics data stream will be generated from Air Force Global Weather Central products available via the Pacific Air Force Digital Graphics System (PACDIGS).

2.2. The teletype data stream will be generated from TTY data available from the Automated Digital Weather Switch (managed by Det 7, AFGWC).

2.3. The HFRBS on Guam normally operates in a "stand-by" mode. Units that require data to be provided by transmission will follow procedures given below.

**3. Responsibilities:**

3.1. HQ PACAF/DOWX will:

3.1.1. Maintain HFRBS regional TTY data OPlans to support a wide variety of operations in the PACOM area of responsibility.

- 3.1.2. Deconflict data requests when the system becomes supersaturated.
- 3.2. Det 7, AFGWC will:
  - 3.2.1. Route requested TTY data to the HFRBS circuit to support weather units.
  - 3.2.2. Notify PACAF/DOWX no later than the next duty day upon the occurrence of bulletin withdrawals.
- 3.3. 36 OSS/OSW will:
  - 3.3.1. Operate the HFRBS to provide support to requesting weather units.
  - 3.3.2. Troubleshoot HFRBS equipment when notified by users of non-receipt of weather data from the system.
- 3.4. Weather units desiring HFRBS support will:
  - 3.4.1. Send HFRBS FAX support request directly to 36 OSS/OSW (info HQ PACAF/DOWX). Requests must include: start/stop time for support (classify, as appropriate), FAX map titles with mode and message selection system (MOMMS) codes for all FAX products required, and name and phone number of unit point of contact (POC).
  - 3.4.2. Send HFRBS TTY routine data requests to HQ PACAF/DOWX and HQ PACAF/DOWX will forward requests to Det 7, AFGWC with a courtesy copy to HQ AFGWC/DOO. In the event of contingencies or short notice exercises, individual units are authorized to submit data requests directly to Det 7, AFGWC, with courtesy copies to HQ PACAF/DOWX and HQ AFGWC/DOO. Requests must include: start/stop time for support (classify, as appropriate), TTY data OPlan names and levels to be activated (Ref: PACAF CAT 15-1), name and phone numbers of POC. This request can be consolidated with 36 OSS/OSW requests.
  - 3.4.3. When possible, send support requests at least 30 days prior to the date support is to start.

THOMAS A. LYONS, JR., Colonel, USAF  
Acting Director of Operations